

FIG. 1



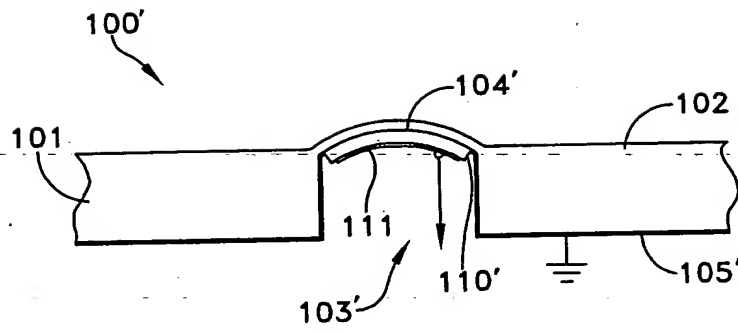


FIG. 4

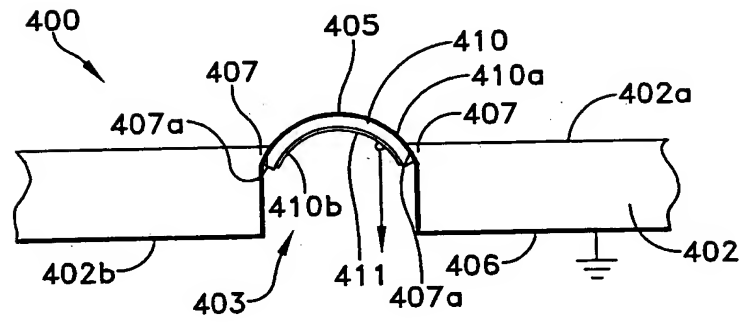


FIG. 5

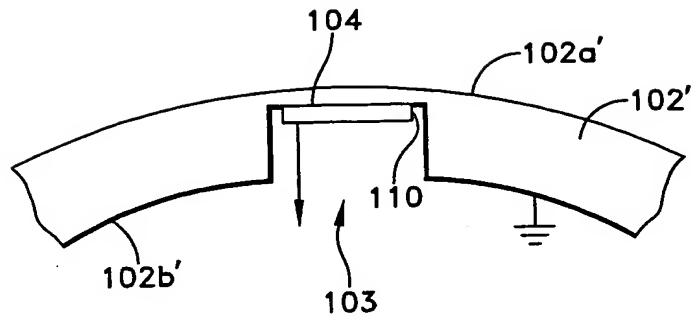


FIG. 6A

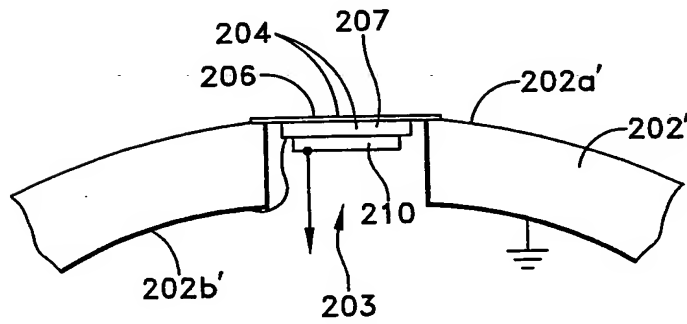


FIG. 6B

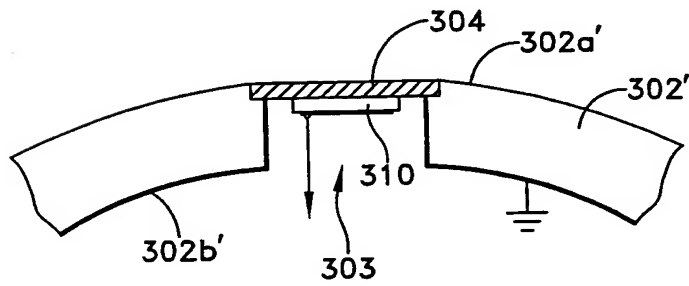


FIG. 6C

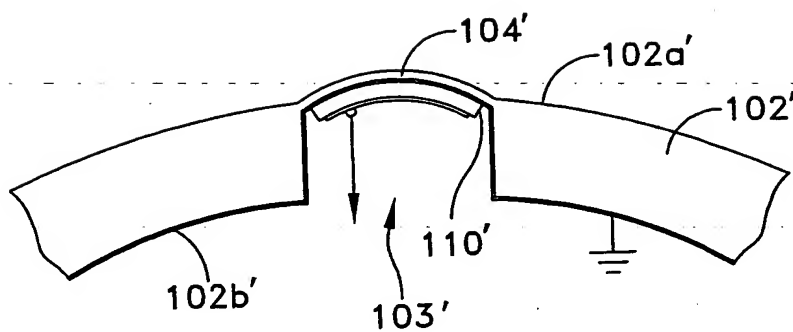


FIG. 6E

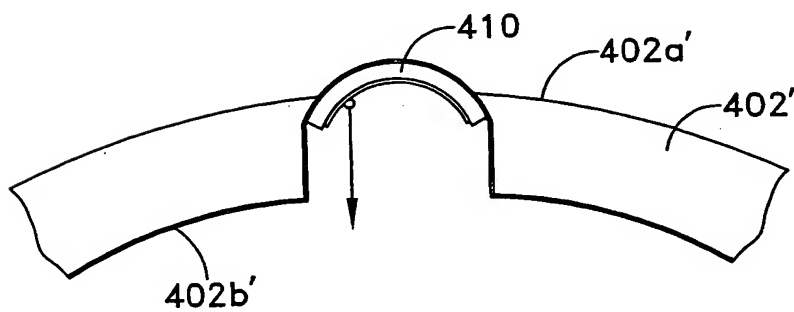


FIG. 6D

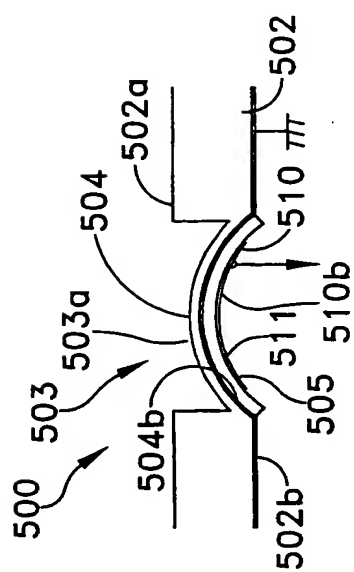


FIG. 7A

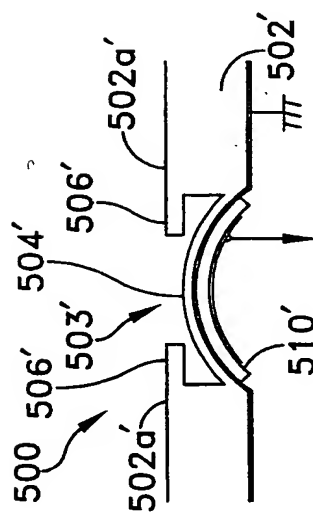


FIG. 7B

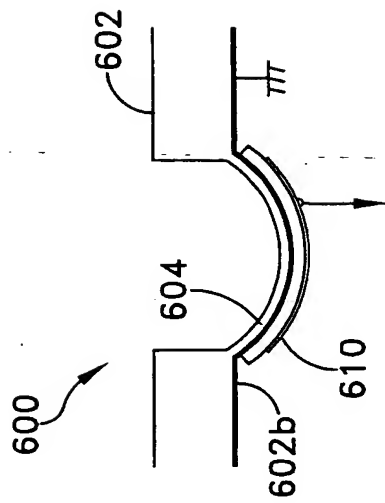


FIG. 8A

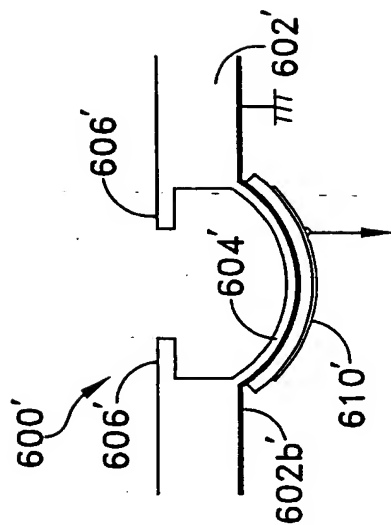


FIG. 8B

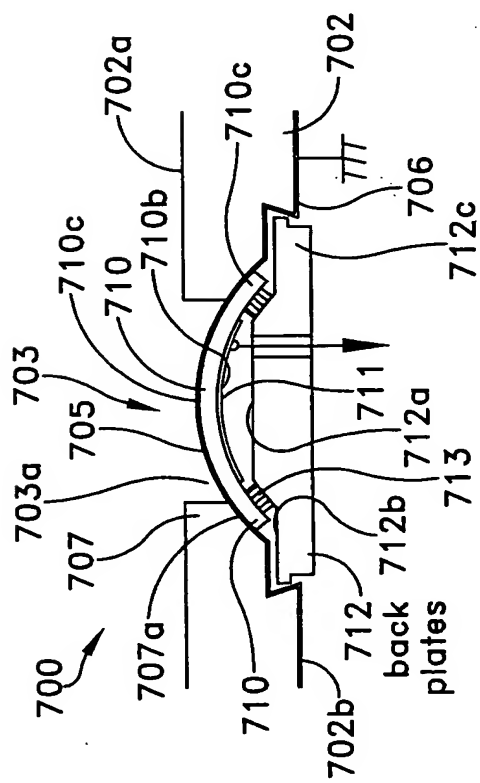


FIG. 9A

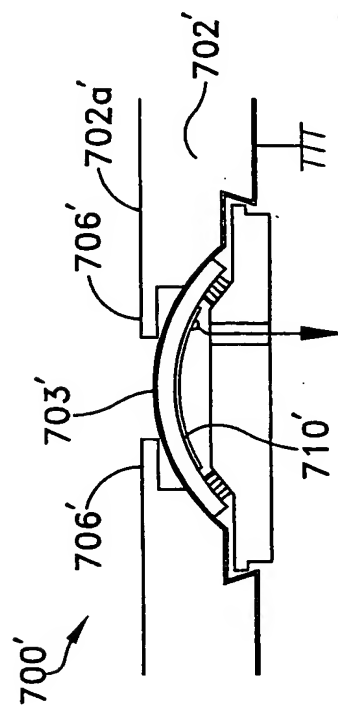


FIG. 9B

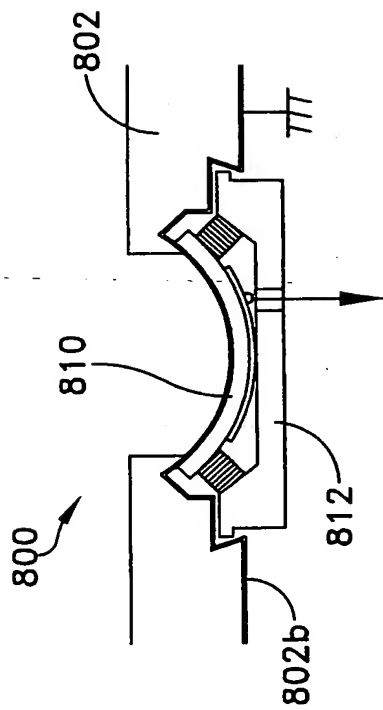


FIG. 10A

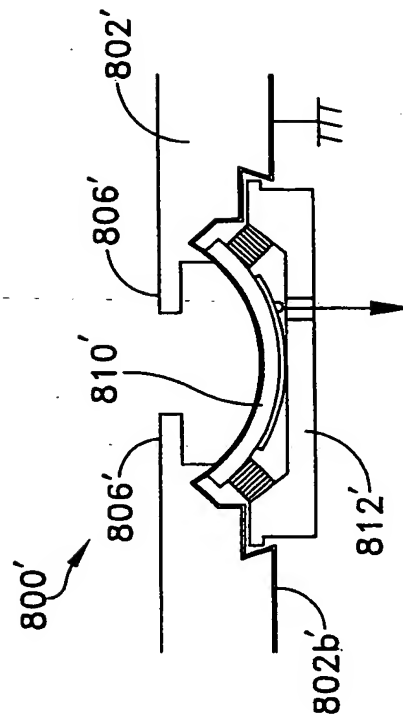


FIG. 10B





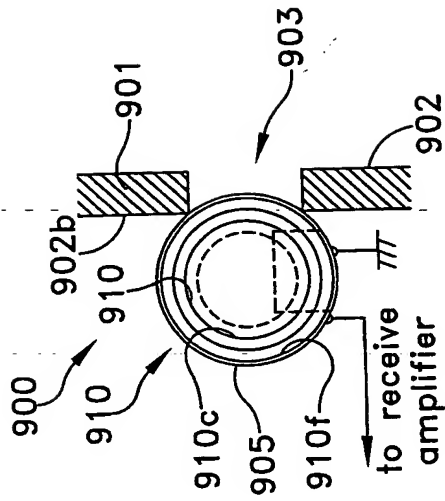


FIG. 13

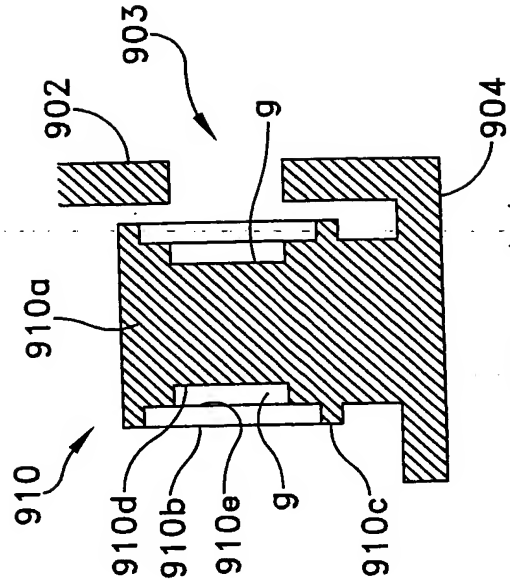


FIG. 14

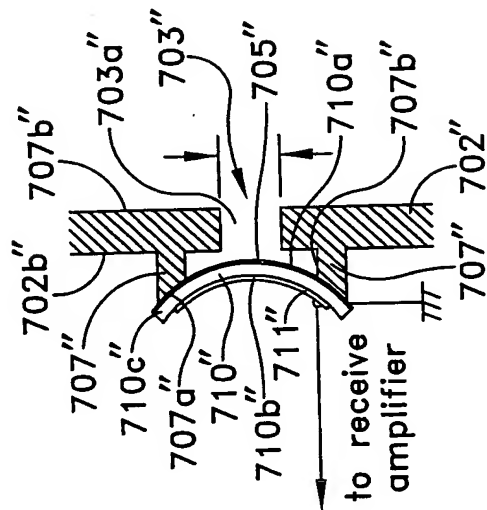
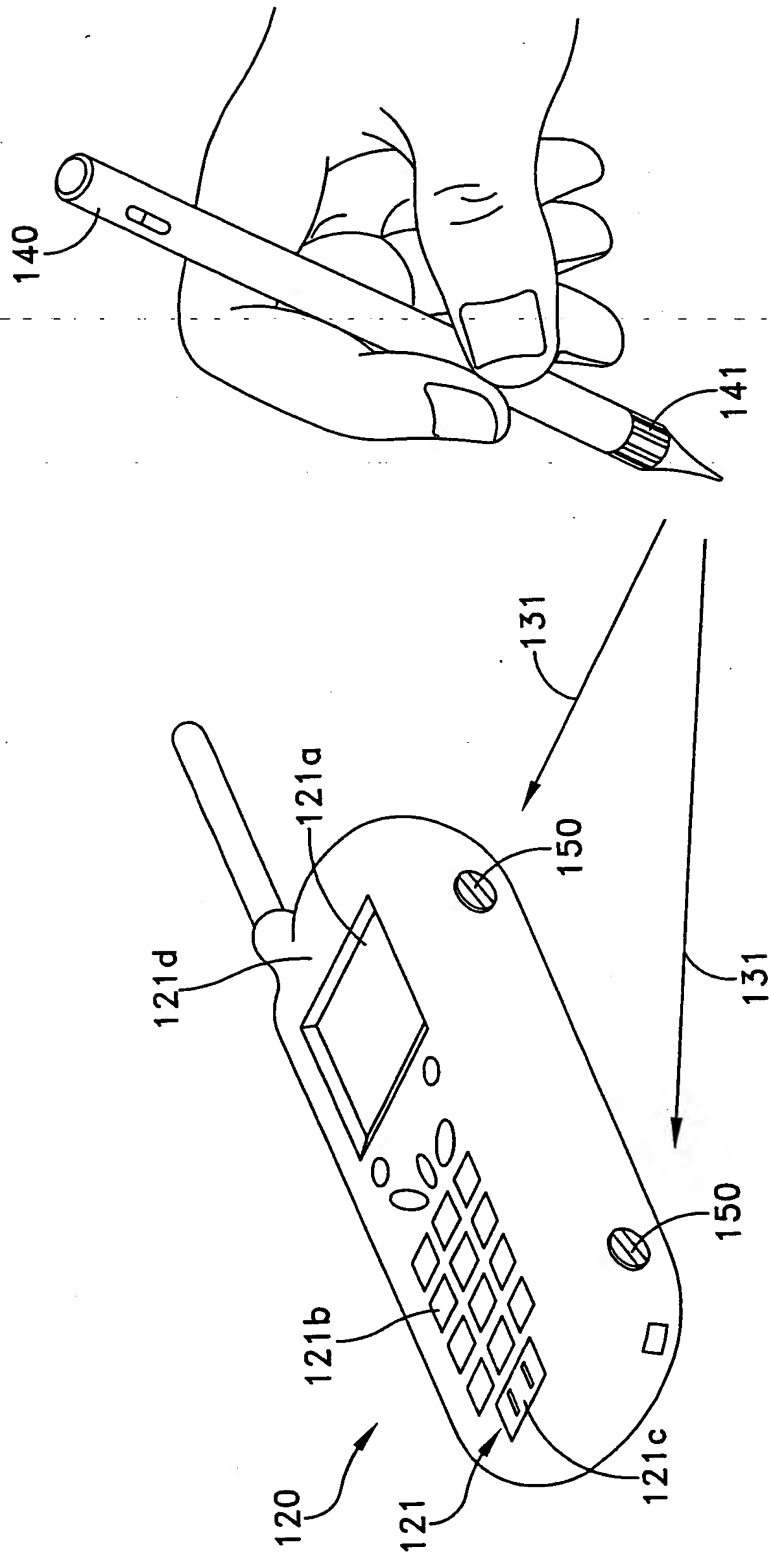


FIG. 12



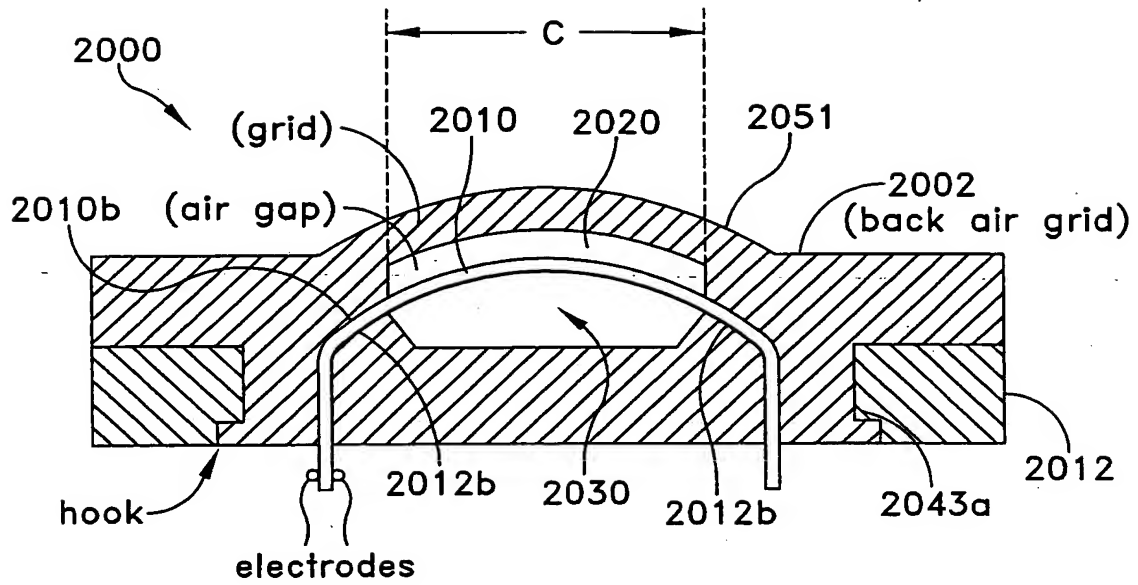


FIG. 16

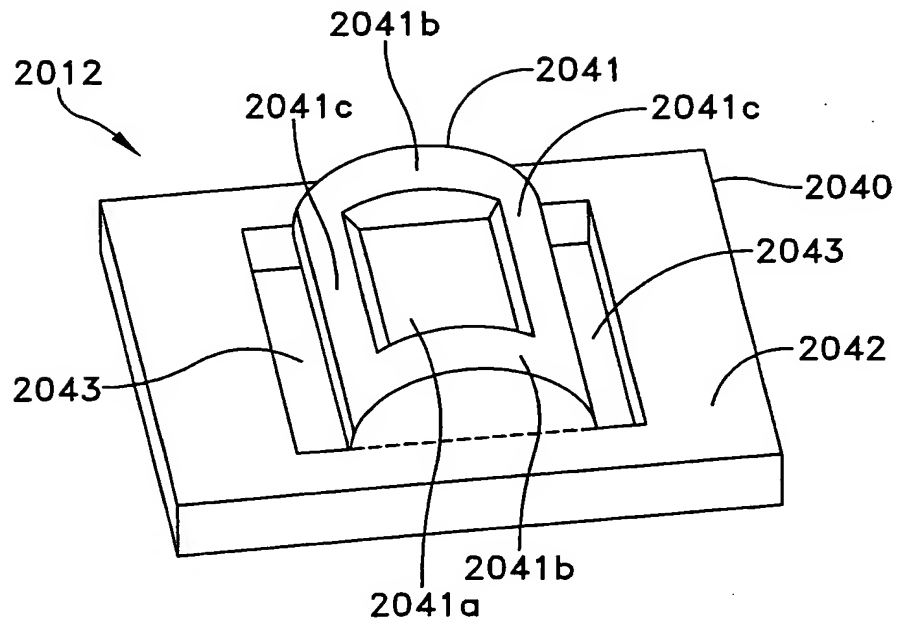


FIG. 17

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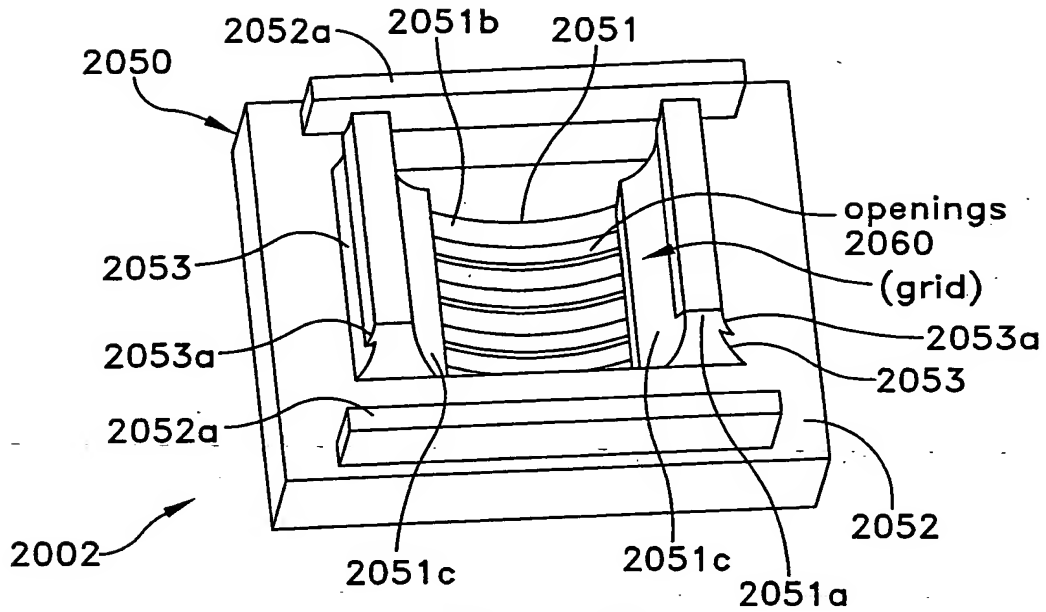


FIG. 18

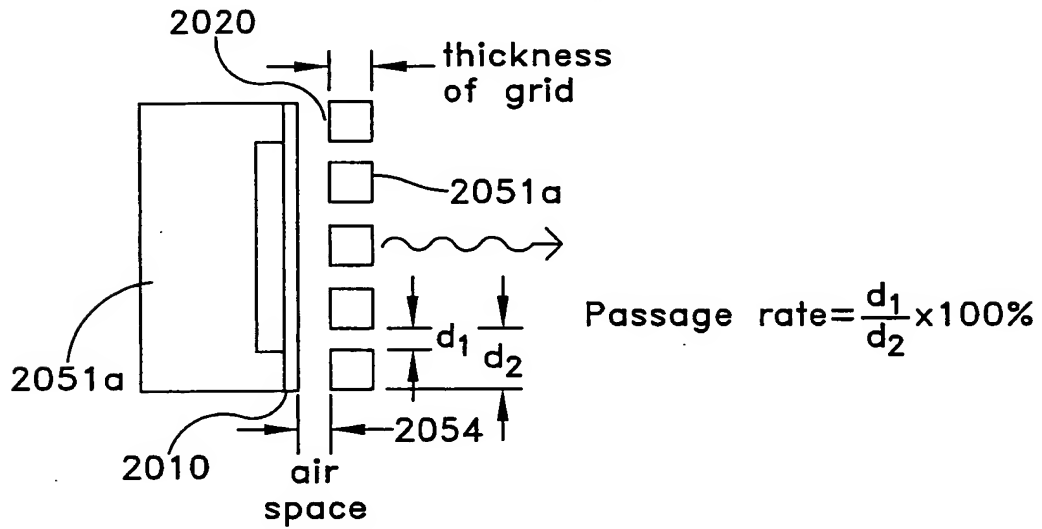
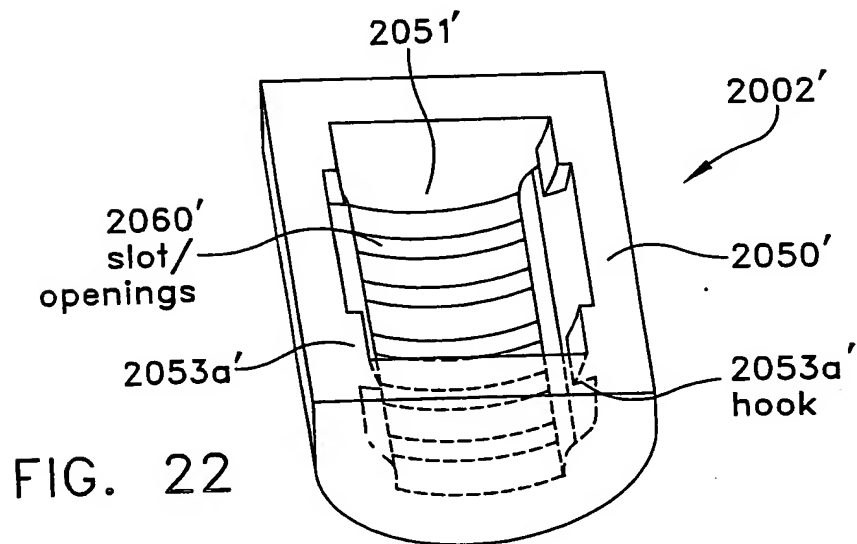
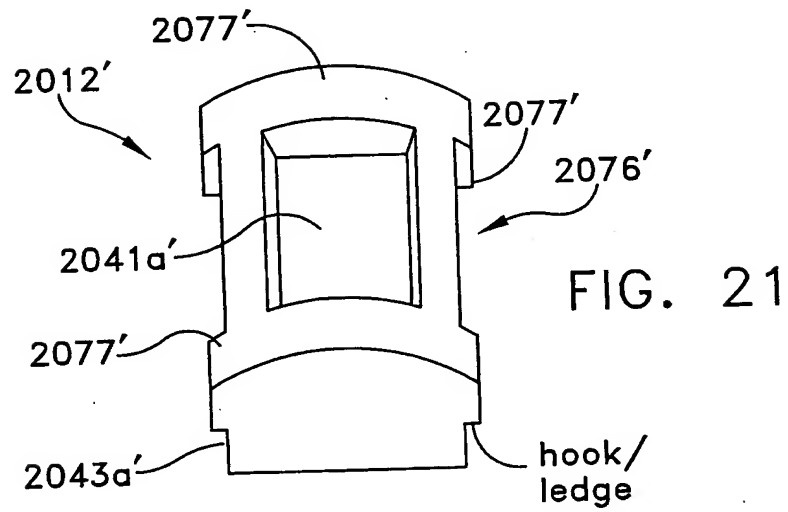
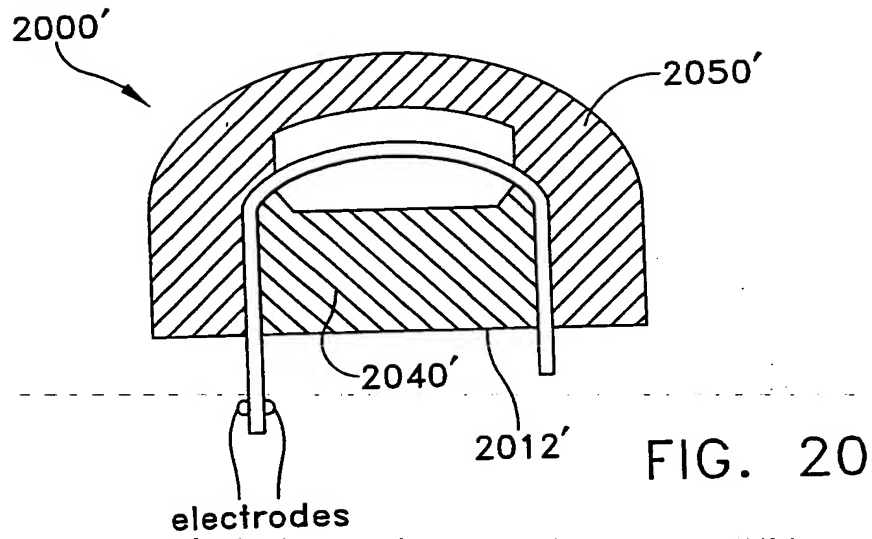


FIG. 19

| 30% Passage |            |             | 40% Passage |            |             | 60% Passage |            |             |
|-------------|------------|-------------|-------------|------------|-------------|-------------|------------|-------------|
| Air space   | Wall Thick | Improvement | Air space   | Wall Thick | Improvement | Air space   | Wall Thick | Improvement |
| 0.08mm      | 0.5mm      | 82%         | 0.08mm      | 0.5mm      | 50%         | 0.1mm       | 0.5mm      | 38%         |
| 0.05        | 1.0        | 55          | 0.08        | 1.0        | 35          | 0.1         | 1.0        | 22          |
| 0.08        | 1.5        | 32          | 0.1         | 1.5        | 19          | 0.1         | 1.5        | 8           |

FIG. 23



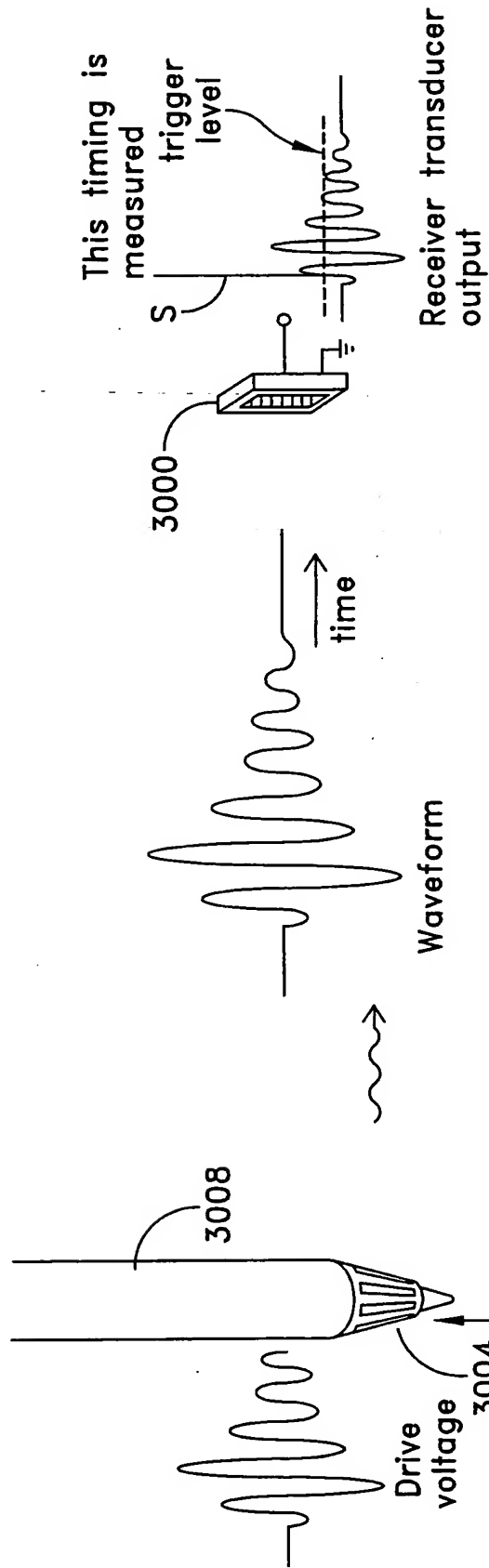


FIG. 24

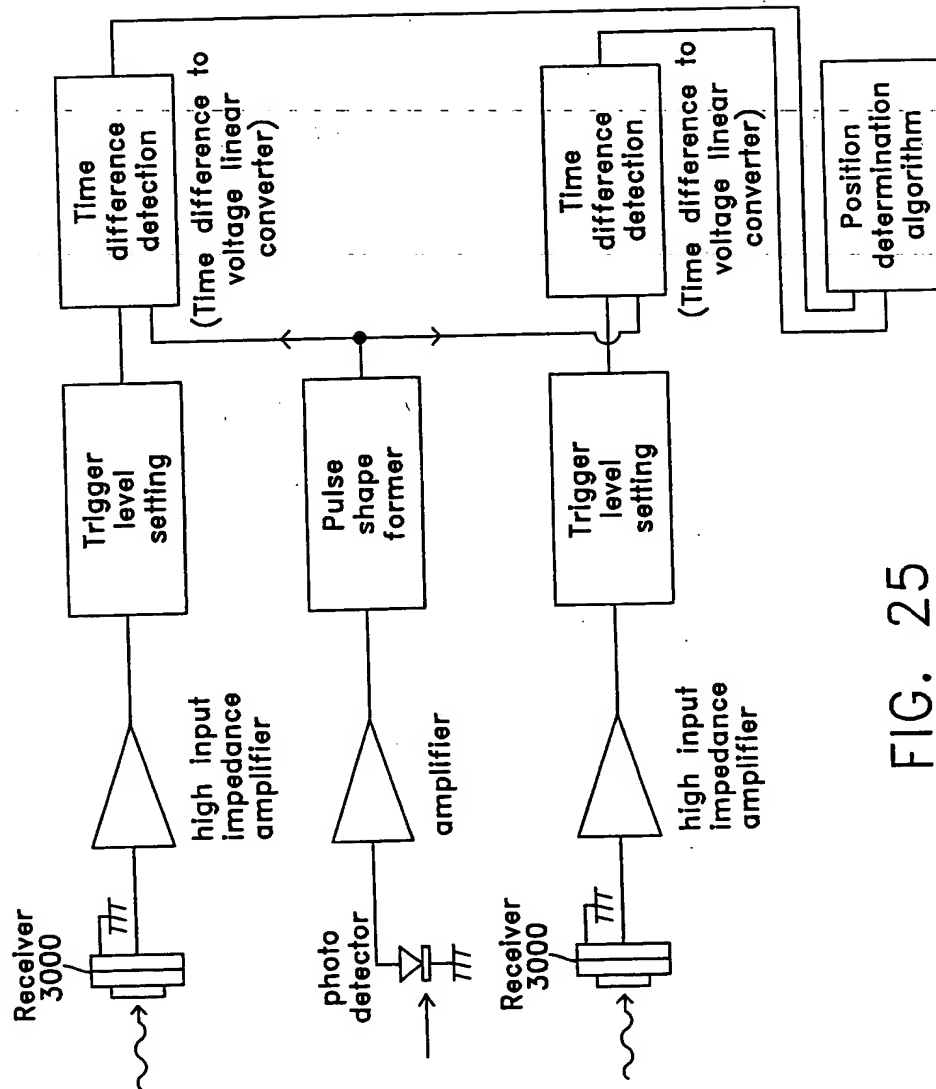


FIG. 25

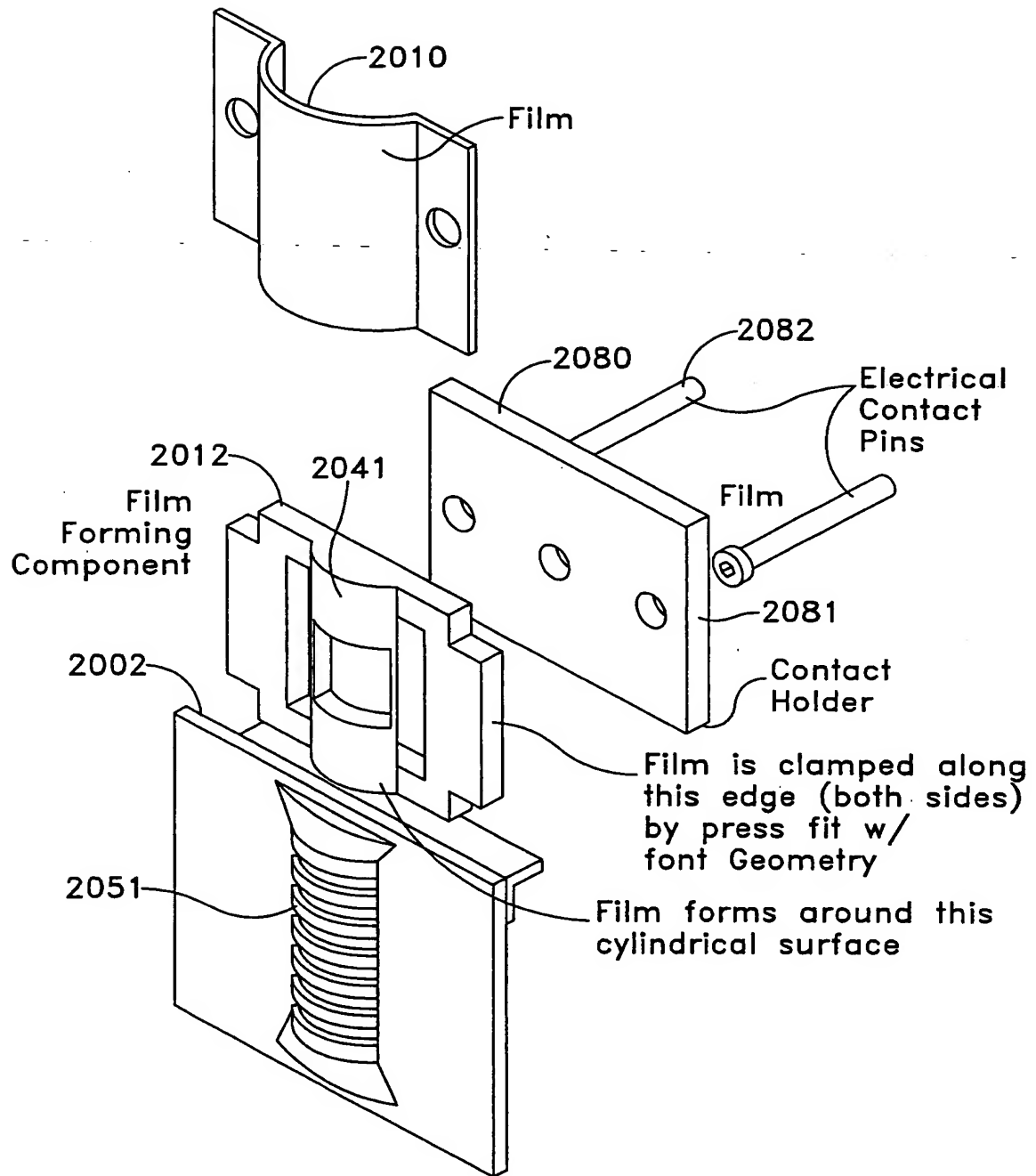


FIG. 26



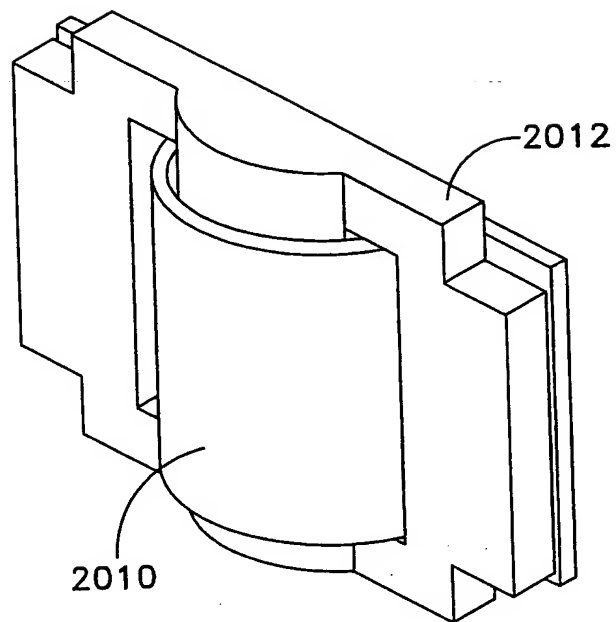


FIG. 27

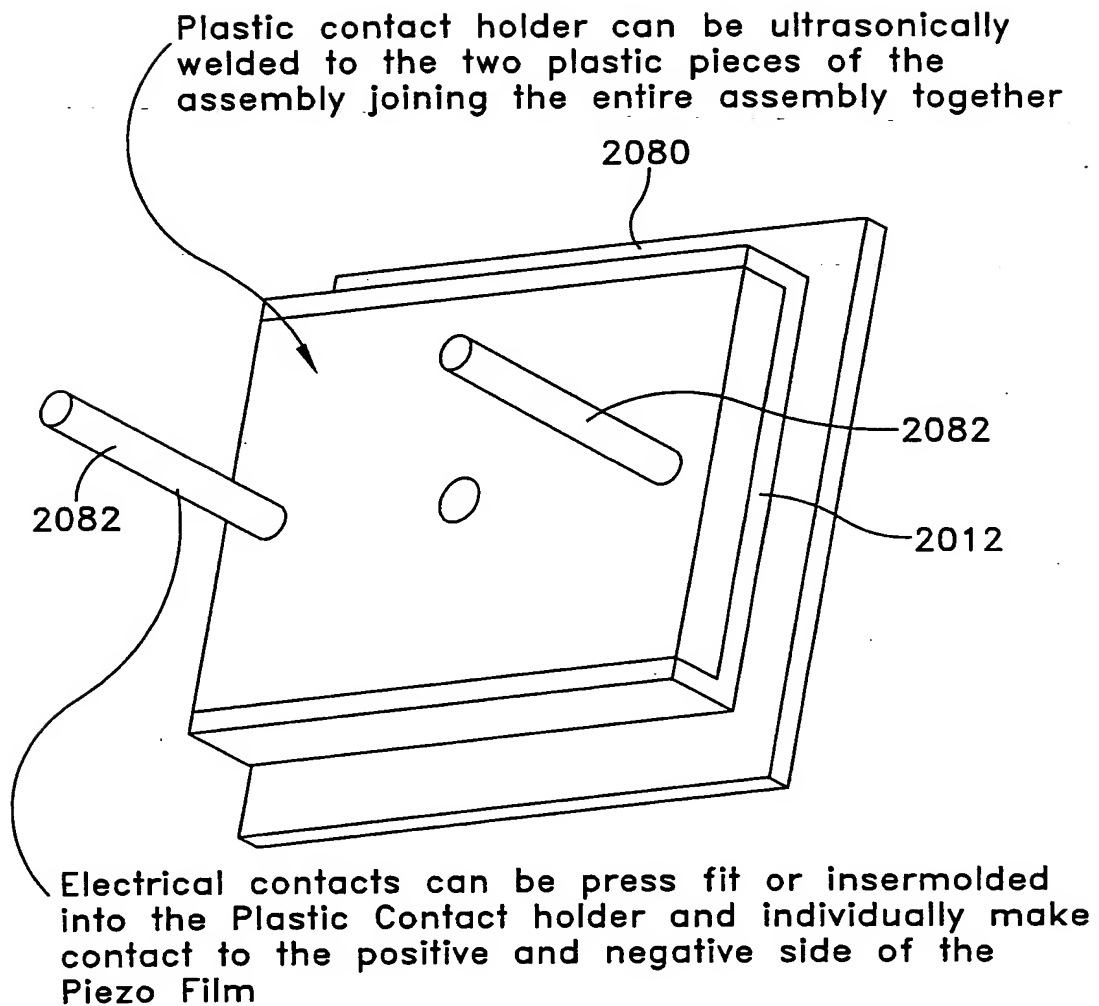
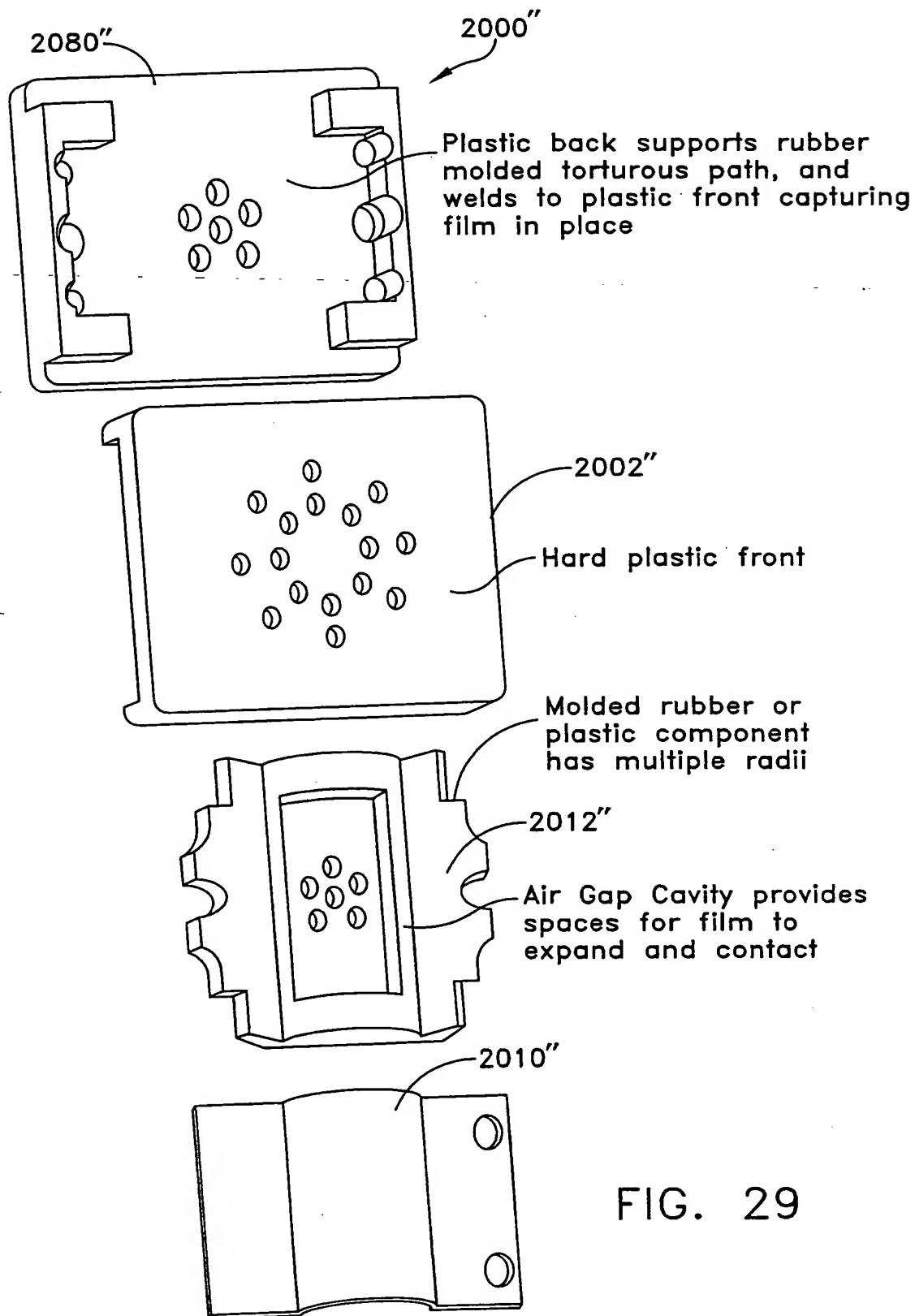


FIG. 28



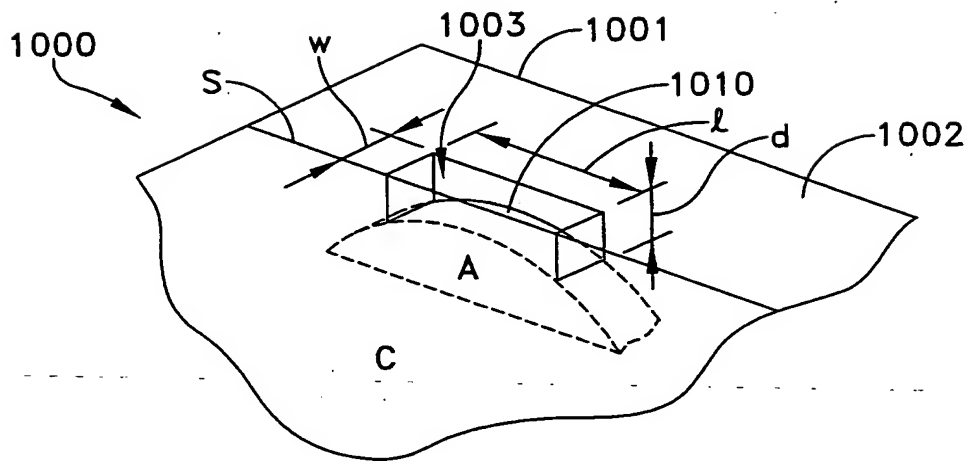


FIG. 30A

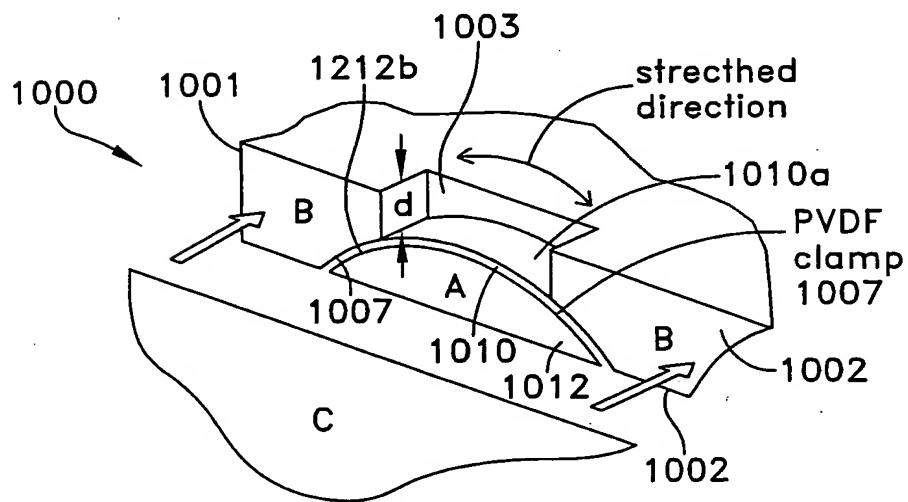


FIG. 31

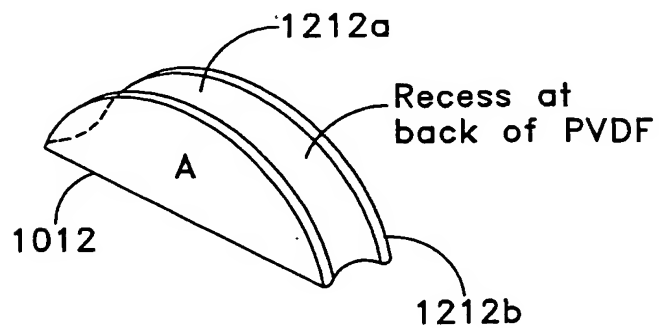


FIG. 32

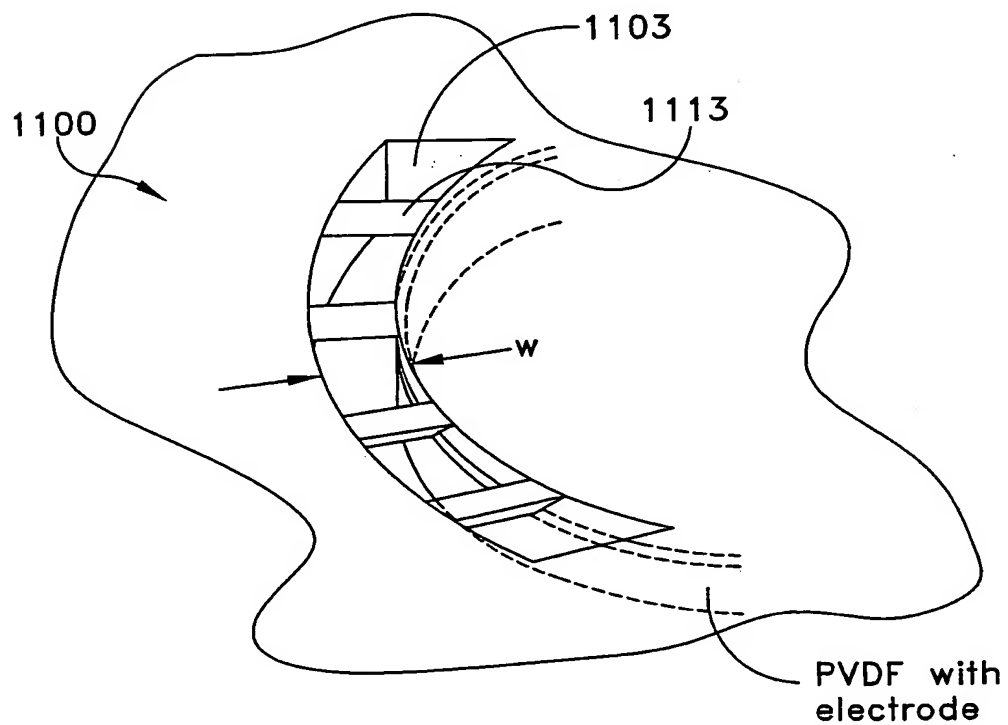
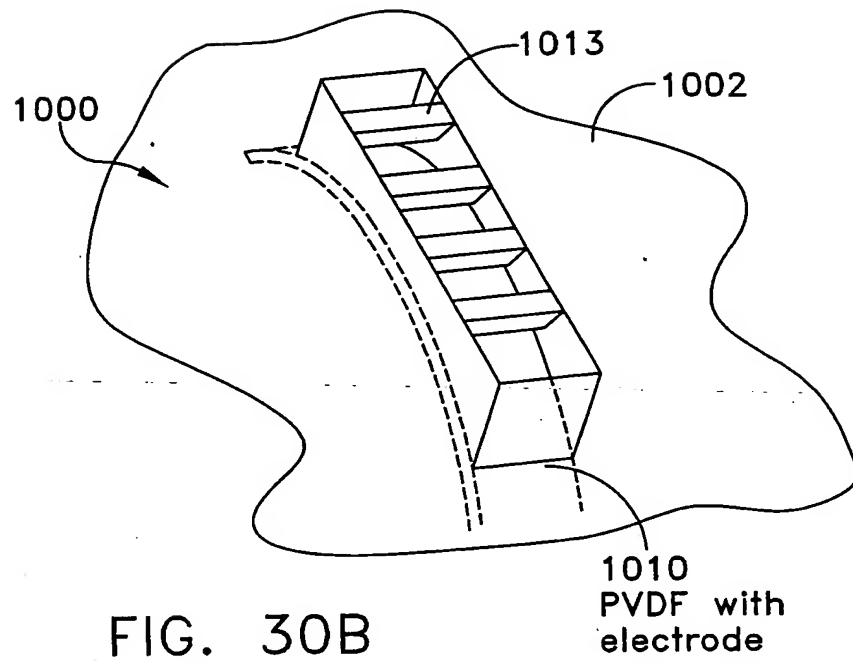


FIG. 33B

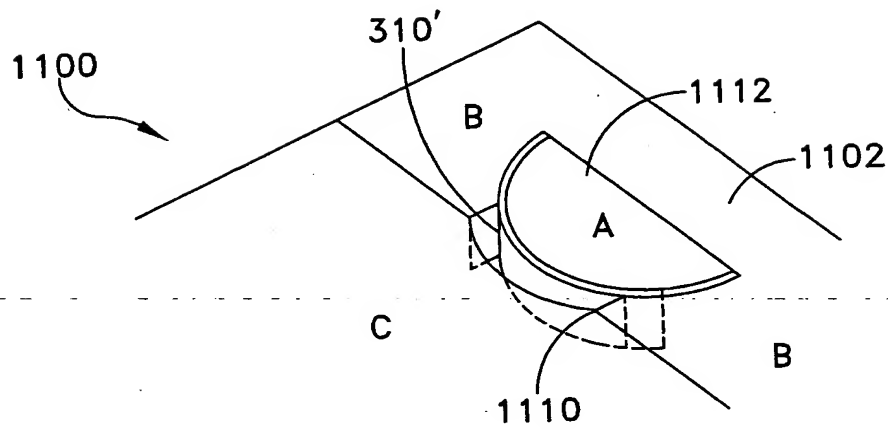


FIG. 33A

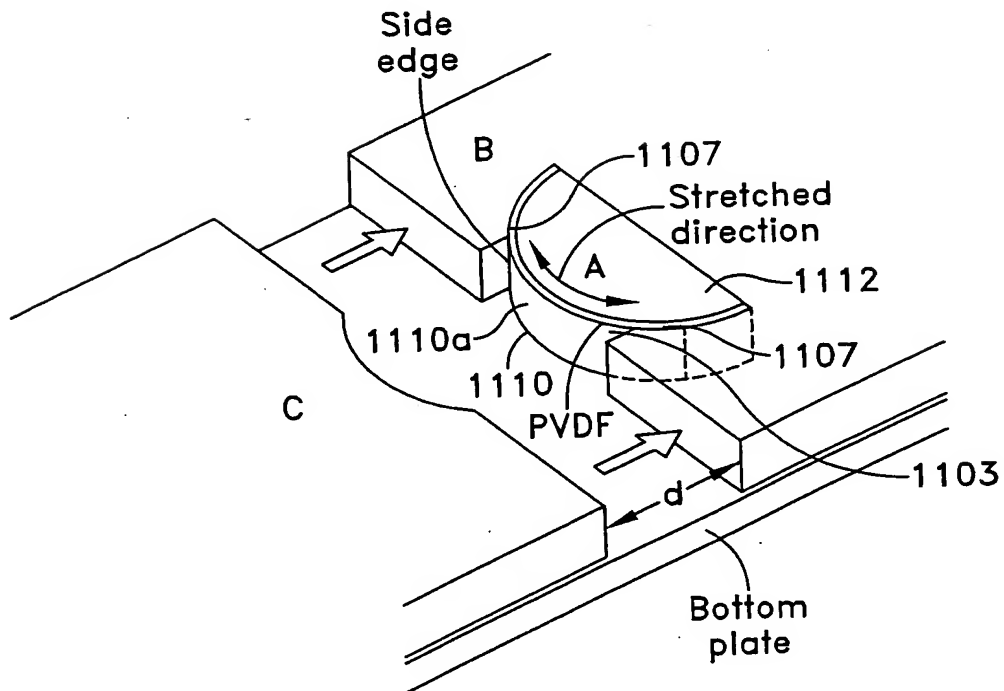


FIG. 34

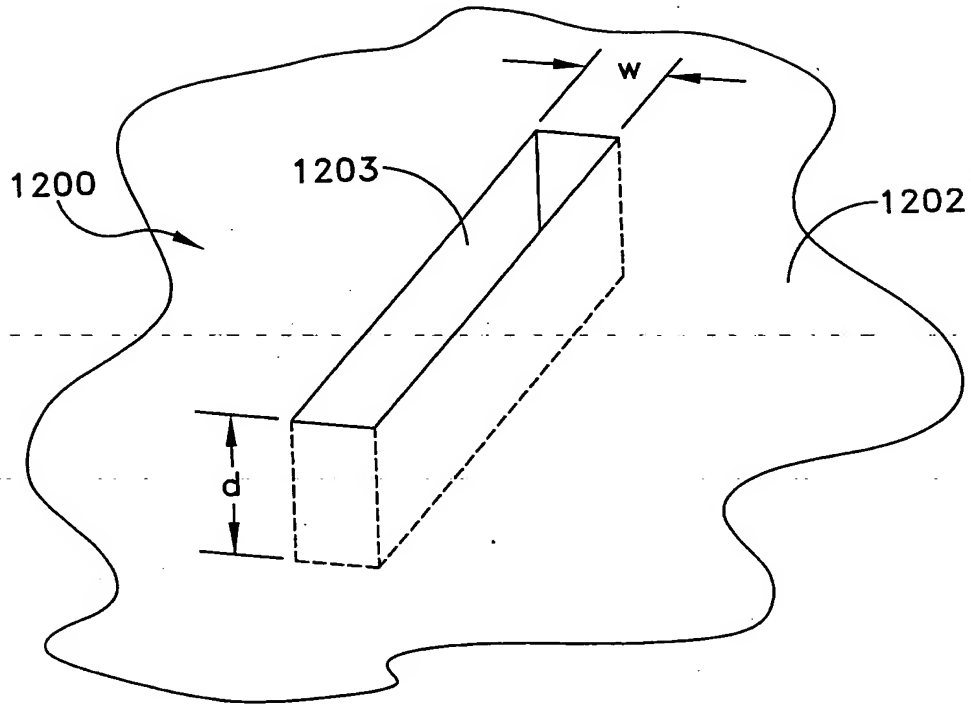


FIG. 35A

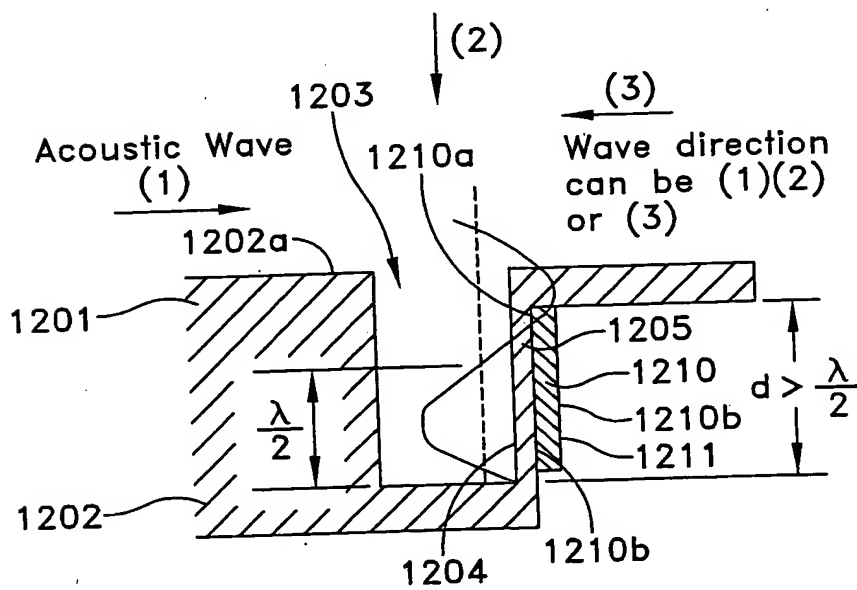


FIG. 35B

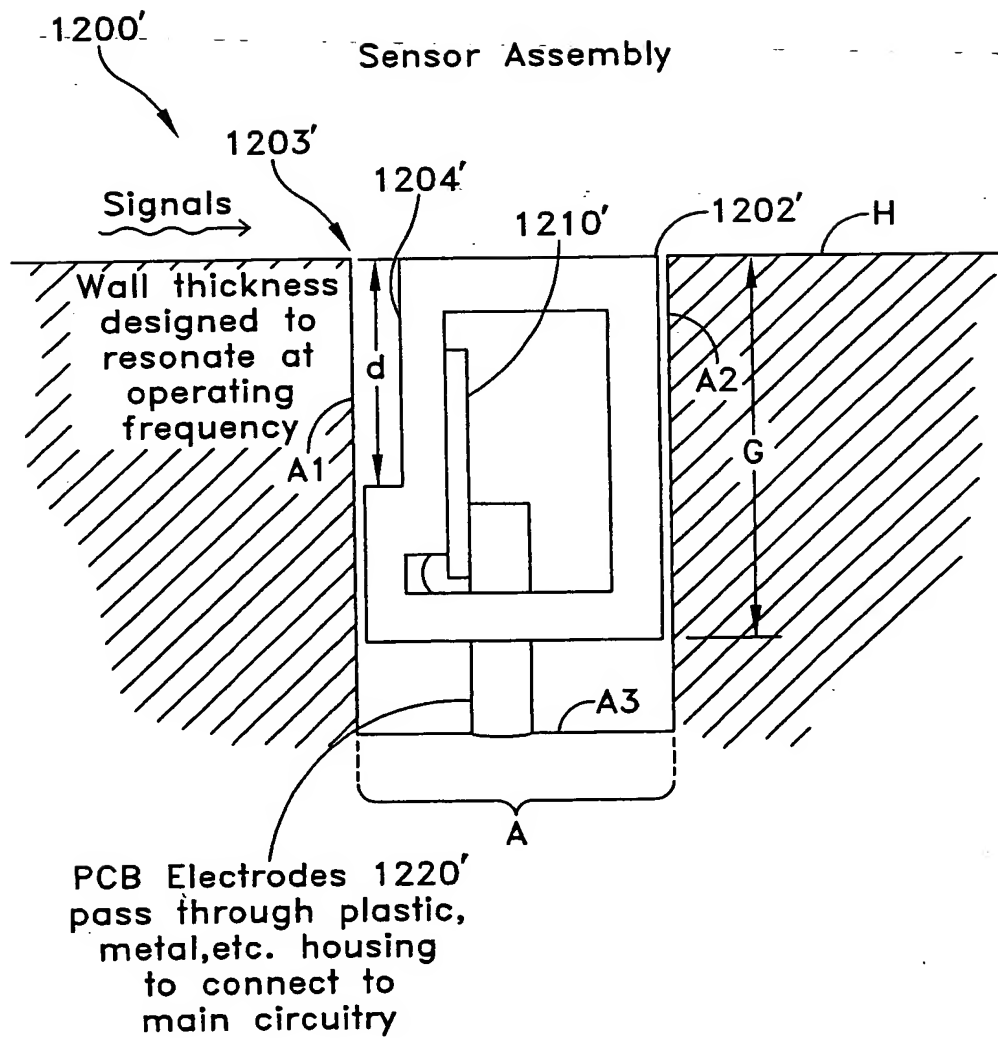


FIG. 35C



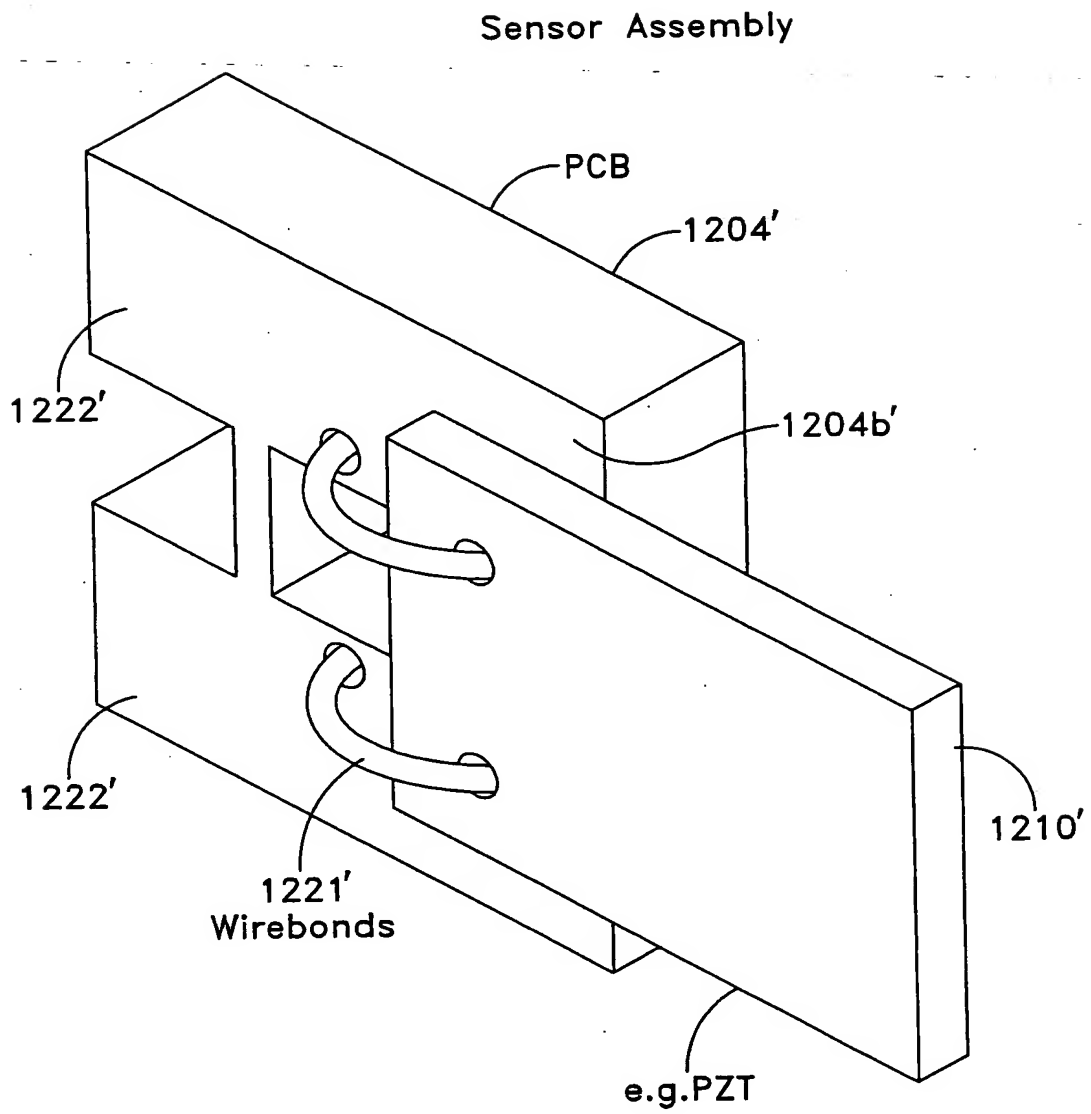
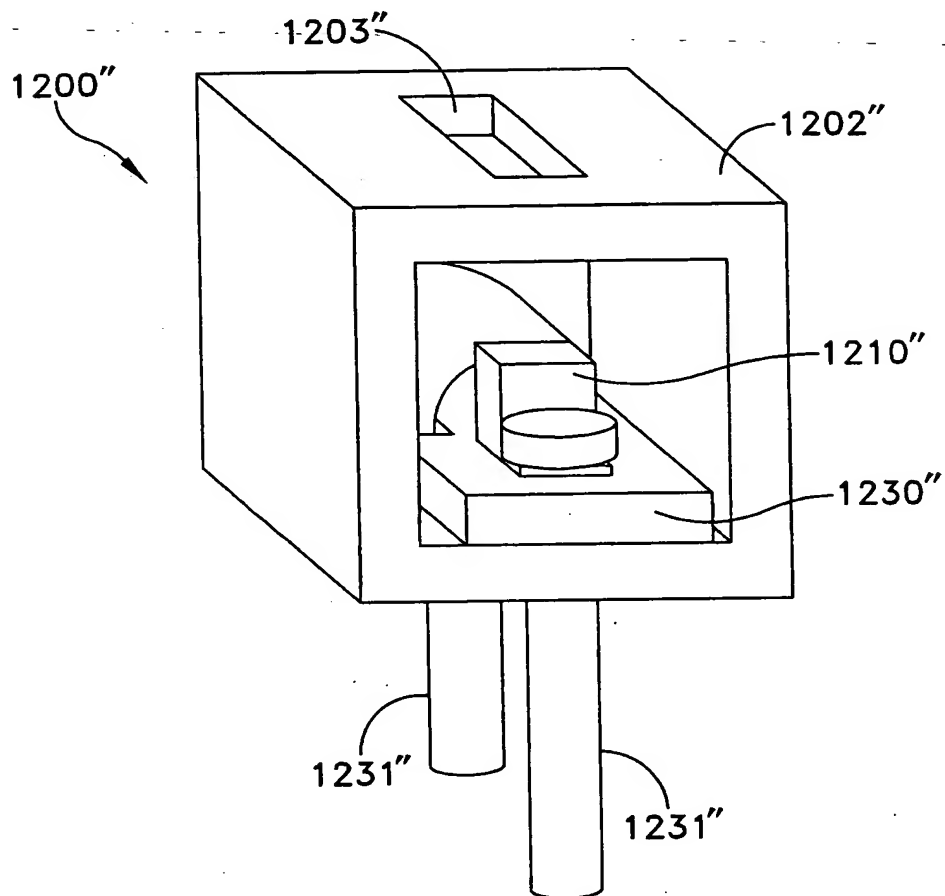


FIG. 35D

Semi-Cylindrical Sensor

Plastic Housing w/Cutout for  
Accoustic Energy to pass



Electric Contacts pass through  
housing to connect to main circuit

FIG. 35E

Semi Cylindrical Sensor

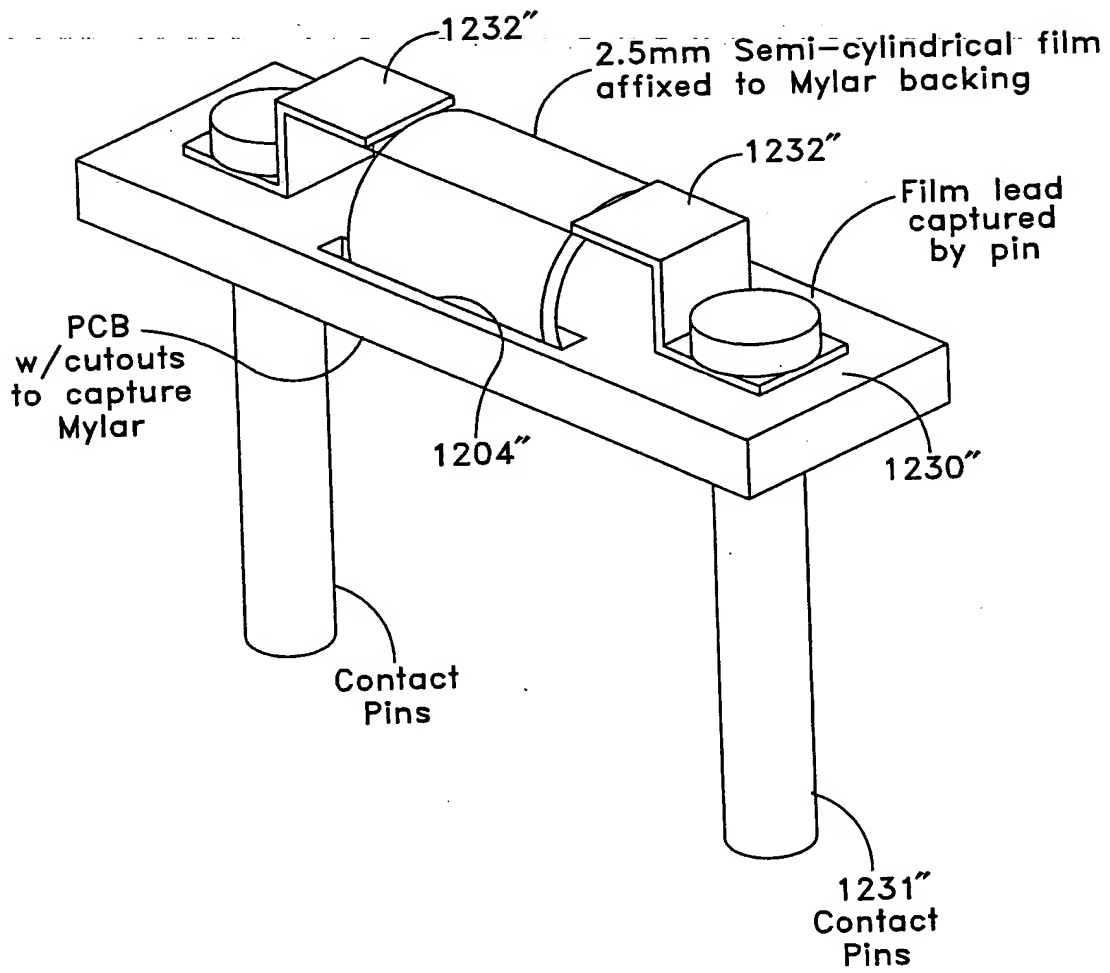


FIG. 35F

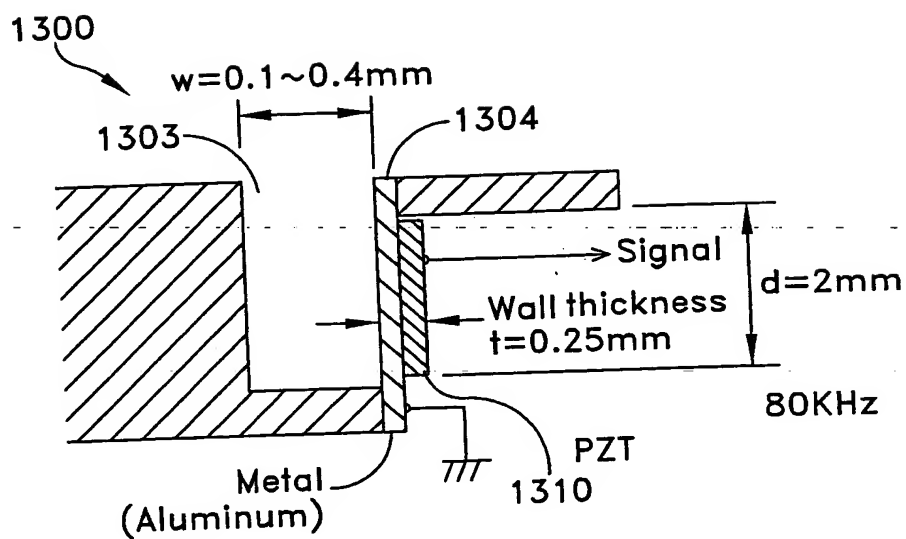


FIG. 36

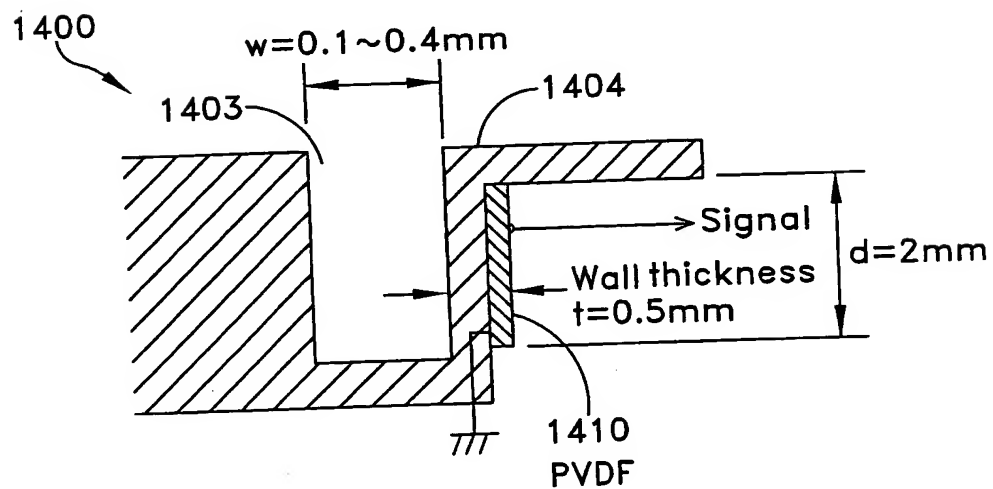
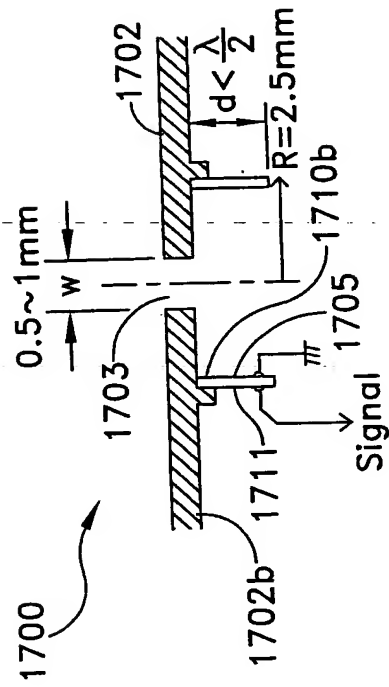
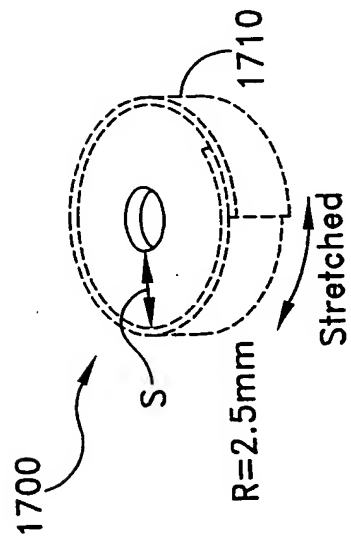
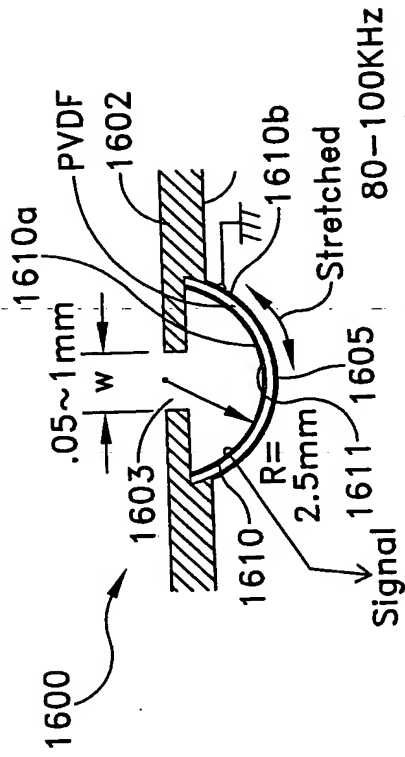
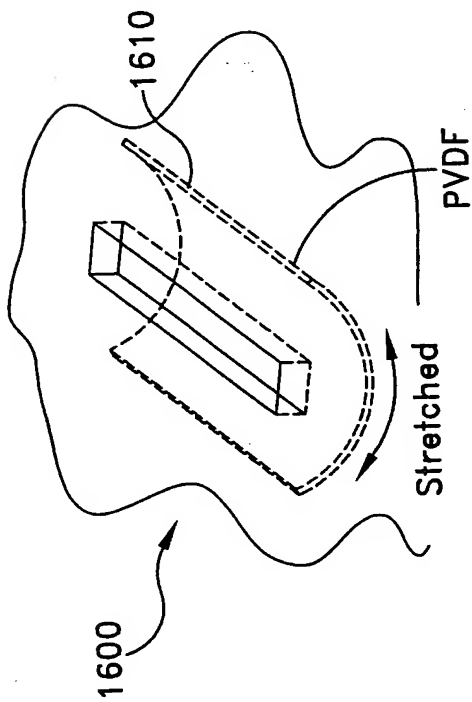


FIG. 37



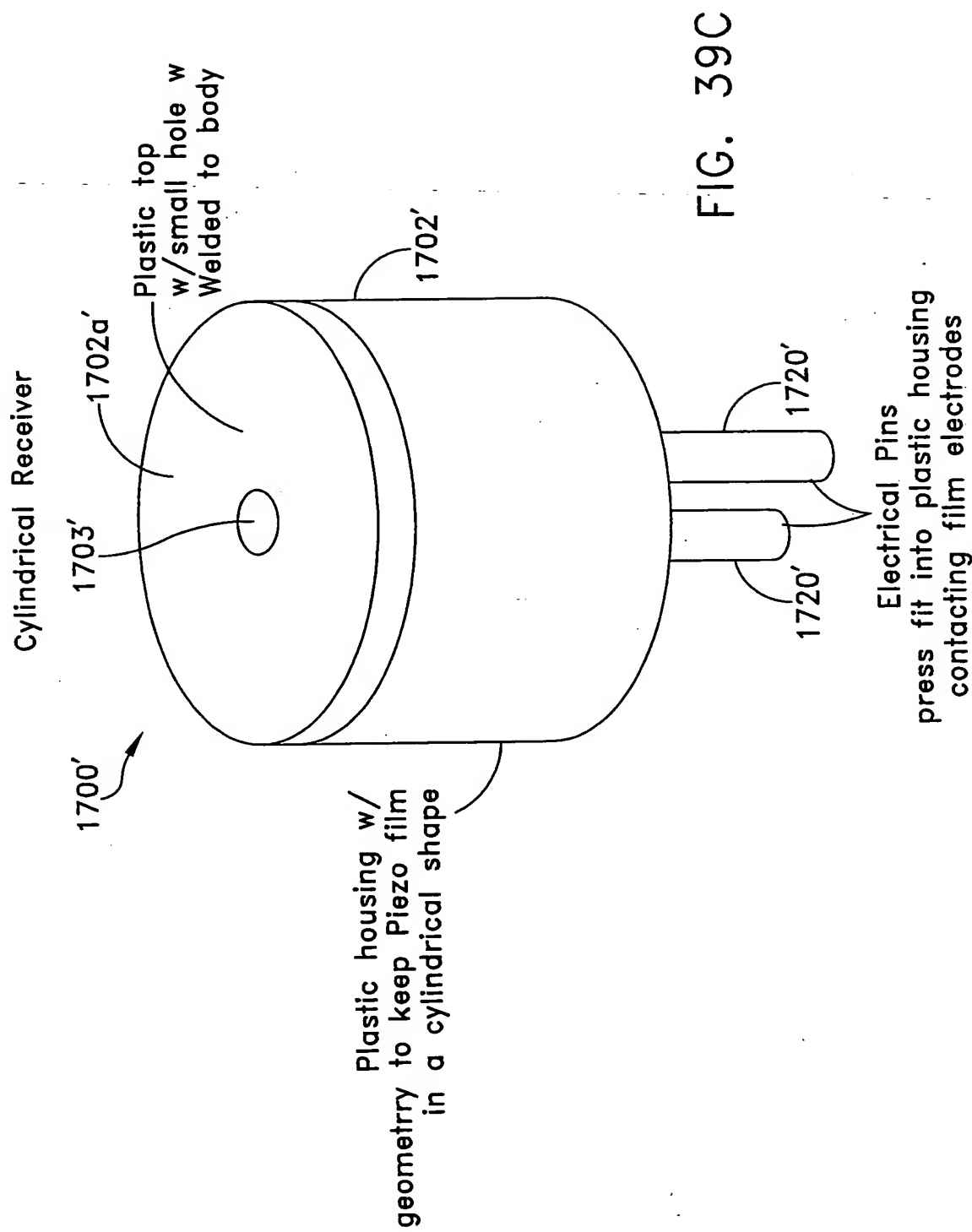


FIG. 39C

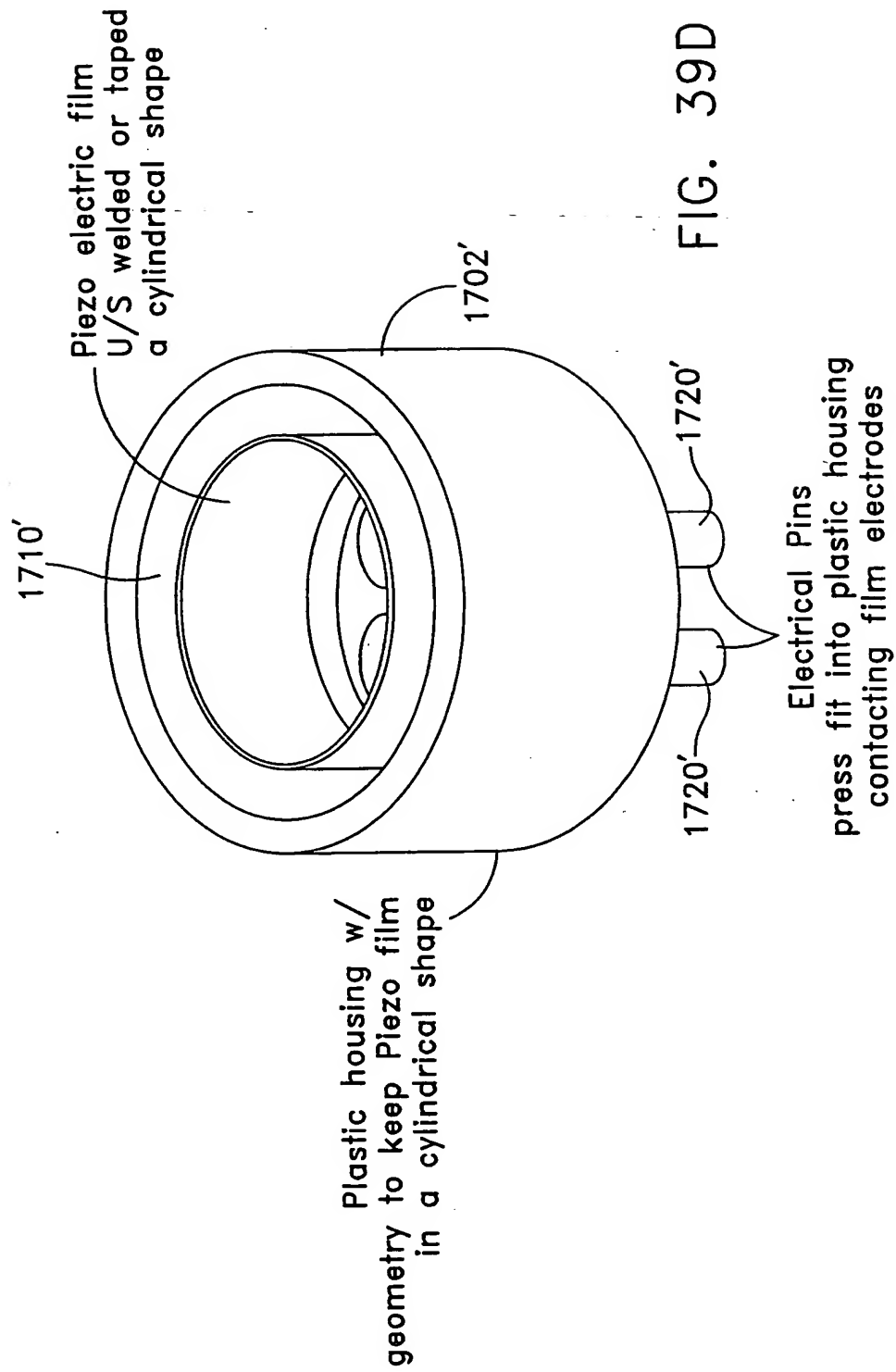
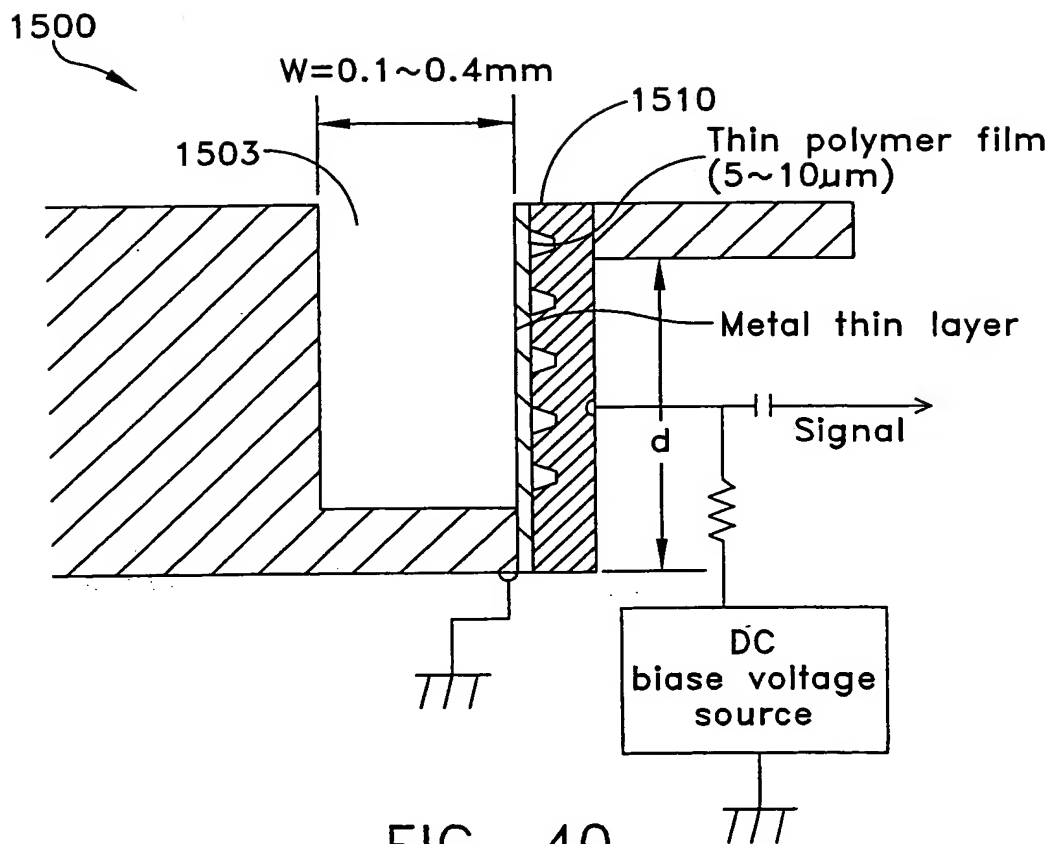


FIG. 39D







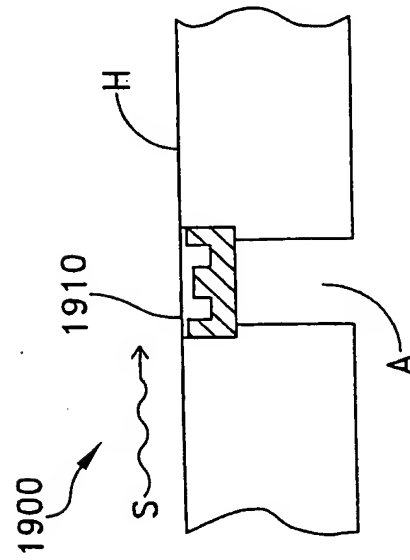


FIG. 42

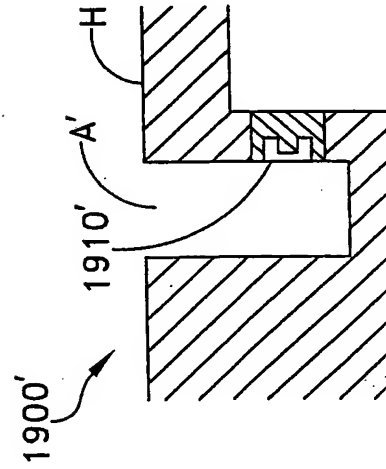


FIG. 43A

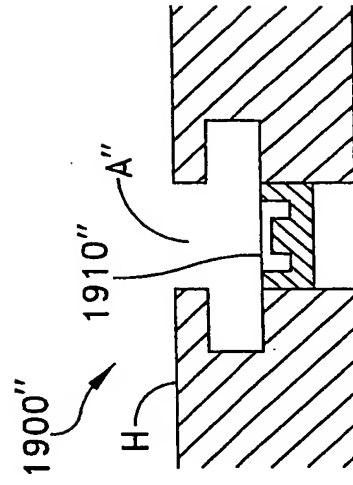


FIG. 43B

Desktop computer,

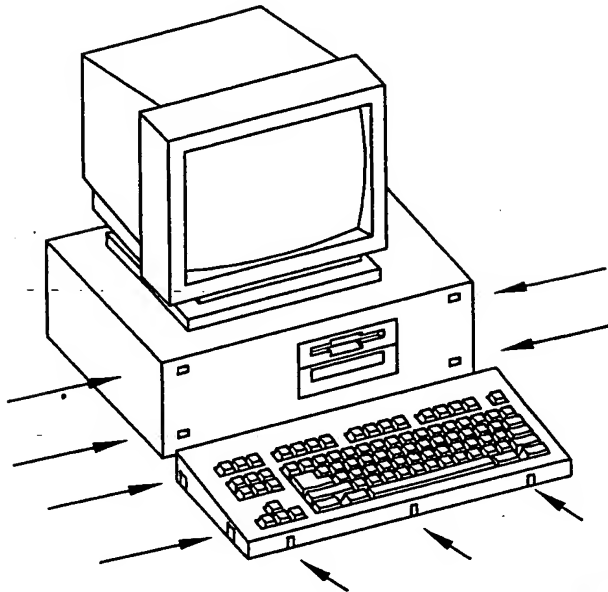
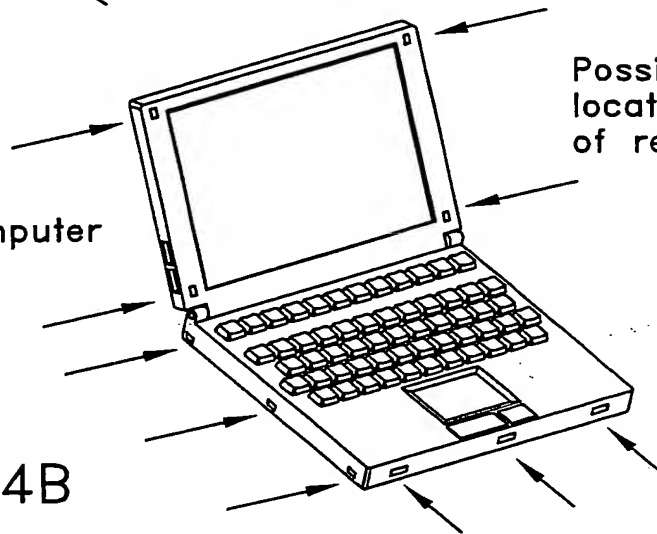


FIG. 44A

Possible  
location  
of receiver

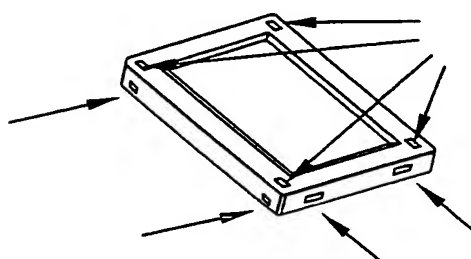
Laptop computer



Possible  
location  
of receiver

FIG. 44B

PDA



Possible  
location  
of receiver

FIG. 44C

